

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Claim 1** (currently amended): An optical data recording and storage medium that includes a first reflective layer formed from a ~~silver alloy comprising silver and~~ silver-based alloy containing at least 97.0 wt.% silver and comprising from about 0.1 to about ~~4.0~~ 3.0 wt.% based on the total weight of alloy, of samarium (Sm).

**Claim 2** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy comprises from about 0.2 to about 1.0 wt.%, based on the total weight of alloy, of samarium (Sm).

**Claim 3** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy comprises from about 0.25 to about 0.35 wt.%, based on the total weight of alloy, of samarium (Sm).

**Claim 4** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises copper (Cu).

**Claim 5** (currently amended): The optical data recording and storage medium of claim 4 wherein ~~silver~~ said silver-based alloy comprises from about 0.2 to about 2.0 wt.% copper (Cu).

**Claim 6** (currently amended): The optical data recording and storage medium of claim 5 wherein ~~silver~~ said silver-based alloy comprises from about 0.25 to about 1.0 wt.% copper (Cu).

**Claim 7** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises titanium (Ti).

**Claim 8** (currently amended): The optical data recording and storage medium of claim 7 wherein ~~silver~~ said silver-based alloy comprises from about 0.05 to about 0.5 wt.% titanium (Ti).

**Claim 9** (currently amended): The optical data recording and storage medium of claim 8 wherein ~~silver~~ said silver-based alloy comprises from about 0.1 to about 0.3 wt.% titanium (Ti).

**Claim 10** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises manganese (Mn).

**Claim 11** (currently amended): The optical data recording and storage medium of claim 10 wherein ~~silver~~ said silver-based alloy comprises from about 0.1 to about 1.5 wt.% manganese (Mn).

**Claim 12** (currently amended): The optical data recording and storage medium of claim 11 wherein ~~silver~~ said silver-based alloy comprises from about 0.2 to about 0.8 wt.% manganese (Mn).

**Claim 13** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises aluminum (Al.).

**Claim 14** (currently amended): The optical data recording and storage medium of claim 13 wherein ~~silver~~ said silver-based alloy comprises from about 0.1 to about 0.8 wt.% aluminum (Al.).

**Claim 15** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy comprises from about 0.2 to about 0.4 wt.% aluminum (Al.).

**Claim 16** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises a precious metal selected from the group

consisting of gold (Au), palladium (Pd), platinum (Pt), and mixtures thereof, in a total amount of up to about 2.5 wt.% of the alloy.

**Claim 17** (currently amended): The optical data recording and storage medium of claim 1 wherein ~~silver~~ said silver-based alloy further comprises copper (Cu), titanium (Ti), and manganese (Mn).

**Claim 18** (currently amended): The optical data recording and storage medium of claim 17 wherein ~~silver alloy comprises~~ said silver-based alloy consists essentially of from about 0.25 to about 0.35 wt.% samarium (Sm), from about 0.25 to about 1.0 wt.% copper (Cu), from about 0.1 to about 0.3 wt.% titanium (Ti), and from about 0.2 to about 0.8 wt.% manganese (Mn), the balance being silver (Ag).

**Claim 19** (currently amended): The optical data recording and storage medium of claim 18 wherein ~~silver alloy comprises~~ said silver-based alloy consists essentially of about 0.3 wt.% samarium (Sm), about 0.7 wt.% copper (Cu), about 0.2 wt.% titanium (Ti), and about 0.5 wt.% manganese (Mn), the balance being silver (Ag).

**Claim 20** (original): The optical data recording and storage medium of claim 1 wherein said first reflective layer comprises a thin film semi-reflective layer.

**Claim 21** (original): The optical data recording and storage medium of claim 1 further comprising a second reflective layer.

**Claim 22** (currently amended): The optical data recording and storage medium of claim 1 ~~comprising~~ included in a DVD.

**Claim 23** (currently amended): The optical data recording and storage medium of claim 1 ~~comprising~~ included in a high-density disk readable by a high frequency blue light laser.

**Claim 24** (currently amended): A silver-based alloy comprising silver and from about 0.1 to about 3.0 wt.%, based on the total weight of alloy, of samarium (Sm).

**Claim 25** (currently amended): The silver-based alloy of claim 24 comprising from about 0.25 to about 0.35 wt.%, based on the total weight of alloy, of samarium (Sm).

**Claim 26** (currently amended): The silver-based alloy of claim 24 further comprising a metal selected from the group consisting of copper (Cu), titanium (Ti), manganese (Mn), aluminum (Al), gold (Au), palladium (Pd), platinum (Pt), and mixtures thereof.

**Claim 27** (currently amended): The silver-based alloy of claim 26 further comprising from about 0.2 to about 2.0 wt.% copper (Cu).

**Claim 28** (currently amended): The silver-based alloy of claim 26 ~~comprising~~ consisting essentially of from about 0.25 to about 0.35 wt.% samarium (Sm), from about 0.25 to about 1.0 wt.% copper (Cu), from about 0.1 to about 0.3 wt.% titanium (Ti), and from about 0.2 to about 0.8 wt.% manganese (Mn), the balance being silver.